

## *Rhinichthys cataractae* (Longnose Dace)

### Priority 3 Species of Greatest Conservation Need (SGCN)

**Class:** *Actinopterygii* (Ray-finned Fishes)

**Order:** *Cypriniformes* (Carps, Minnows, Loaches And Allies)

**Family:** *Cyprinidae* (Carps And Minnows)

**General comments:** none

#### Species Conservation Range Maps for Longnose Dace:

Town Map: [Rhinichthys cataractae\\_Towns.pdf](#)

Subwatershed Map: [Rhinichthys cataractae\\_HUC12.pdf](#)

#### SGCN Priority Ranking - Designation Criteria:

**Risk of Extirpation:** NA

**State Special Concern or NMFS Species of Concern:**

*Rhinichthys cataractae* is listed as a species of Special Concern in Maine.

**Recent Significant Declines:** NA

**Regional Endemic:** NA

**High Regional Conservation Priority:** NA

**High Climate Change Vulnerability:** NA

**Understudied rare taxa:**

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. \*criteria only qualifies for Priority 3 level SGCN\*

Notes:

very few ME occurrences; distribution and status not well understood

**Historical:** NA

**Culturally Significant:** NA

#### Habitats Assigned to Longnose Dace:

| Formation Name              | Freshwater Aquatic          |
|-----------------------------|-----------------------------|
| <b>Macrogroup Name</b>      | <b>Lakes and Ponds</b>      |
| <b>Habitat System Name:</b> | Mesotrophic or Intermediate |
| <b>Habitat System Name:</b> | Oligotrophic                |
| <b>Macrogroup Name</b>      | <b>Rivers and Streams</b>   |
| <b>Habitat System Name:</b> | Headwaters and Creeks       |
| <b>Habitat System Name:</b> | Medium River                |
| <b>Habitat System Name:</b> | Small River                 |

#### Stressors Assigned to Longnose Dace:

No Stressors Currently Assigned to Longnose Dace or other Priority 3 SGCN.

#### Species Level Conservation Actions Assigned to Longnose Dace:

No Species Specific Conservation Actions Currently Assigned to Longnose Dace or other Priority 3 SGCN.

#### Conservation Actions Associated with the Rare Minnows Guild:

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|  |                           |                                      |                  |
|--|---------------------------|--------------------------------------|------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Research | <b>Biological Priority:</b> critical | <b>Type:</b> new |
| Determine population abundance, habitat use, size and age structure and interaction with other fish species in representative waters |                           |                                      |                  |

#### **Stressor(s) Addressed By This Conservation Action**

Habitat Shifting or Alteration, Lack of knowledge

|   |                           |                                      |                  |
|---|---------------------------|--------------------------------------|------------------|
| <b>Conservation Action</b>  | <b>Category:</b> Research | <b>Biological Priority:</b> critical | <b>Type:</b> new |
| Develop a robust, reliable method to assess population trends, habitat associations, and geographic distribution. |                           |                                      |                  |

#### **Stressor(s) Addressed By This Conservation Action**

Lack of knowledge

|  |                           |                                      |                  |
|--|---------------------------|--------------------------------------|------------------|
| <b>Conservation Action</b>   | <b>Category:</b> Research | <b>Biological Priority:</b> critical | <b>Type:</b> new |
| Determine susceptibility and risks associated with certain disease scenarios |                           |                                      |                  |

#### **Stressor(s) Addressed By This Conservation Action**

Invasive Non-native-Alien Species-Diseases, Viral-Prion-induced Diseases, Diseases of Unknown Cause, Problematic Species-Diseases of Unknown Origin, Lack of knowledge

### **Broad Taxonomic Group Conservation Actions:**

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

### **Habitat Based Conservation Actions:**

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*